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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/627,251	07/24/2003	Tetsuo Ikegame	03436/LH	4193
	7590 09/21/2007 OLTZ, GOODMAN & C	' I EVAMINED		
16TH Floor			ART UNIT	PAPER NUMBER
NEW YORK, NY 10001-7708			2613	
			MAIL DATE	DEL WERV MODE
			09/21/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)	
Office Action Summary		10/627,251	IKEGAME, TETSUO	
		Examiner	Art Unit	
		Shi K. Li	2613	
Period fo	- The MAILING DATE of this communication app r Reply	ears on the cover sheet with the c	orrespondence address	
A SHO WHIC - Exten after: - If NO - Failur Any ro	DRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DASIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, aply received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timused and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status				
2a)⊠ 3)□	Responsive to communication(s) filed on <u>16 Ar</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under <i>E</i>	action is non-final. nce except for formal matters, pro		
Dispositi	on of Claims			
5) □ 6) ⊠ 7) □ 8) □ Application	Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 3,5-9,11 and 12 is/are Claim(s) is/are allowed. Claim(s) 1,2,4 and 10 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or papers The specification is objected to by the Examine If he drawing(s) filed on is/are: a) access	e withdrawn from consideration. r election requirement.	Examiner.	
	Applicant may not request that any objection to the objection to the objection to the objected to by the Extra objected to be objected to by the Extra objected to by the Extra objected to be objec	ion is required if the drawing(s) is obj	jected to. See 37 CFR 1.121(d).	
Priority u	nder 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
2) 🔲 Notice 3) 🔯 Inforn	e of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date 7/23/2007.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Species I, claims 1-2, 4 and 10, in the reply filed on 24 July 2007 is acknowledged. Claims 3, 5-9 and 11-12 are withdrawn as being directed to non-elected invention. The election requirement is made final.

Claim Rejections - 35 USC § 102

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 1, 4 and 10 are rejected under 35 U.S.C. 102(e) as being anticipated by Corbalis et al. (U.S. Patent 6,819,815 B1).

Regarding claims 1 and 10, Corbalis et al. discloses in FIG. 3 a switch embodiment comprising input fiber 10, output fiber 20, photo-sensor 43, light guiding means 30, 41 and 42, and control means 32. Corbalis et al. teaches in FIG. 5 four-divided photodetector light receiving surface for the photo-sensor.

Regarding claim 4, Corbalis et al. teaches in FIG. 3 splitter 30.

Claim Rejections - 35 USC § 103

- 4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 5. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Corbalis et al. (U.S. Patent 6,819,815 B1) in view of Ikegame (U.S. Patent 6,644,821 B2).

Corbalis et al. has been discussed above in regard to claims 1, 4 and 10. The difference between Corbalis et al. and the claimed invention is that Corbalis et al. does not teach

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galvanometer mirror. However, the use of galvanometer mirror for optical switch is well known in the art. For example, Ikegame teaches in FIG. 2 an optical switch comprising galvanometer mirror 14. One of ordinary skill in the art would have combined the teaching of Ikegame with the optical switch of Corbalis et al. because galvanometer mirror is well known in the art and the combination would have yielded predictable results to one of ordinary skill in the art at the time of the invention. Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to use galvanometer mirror, as taught by Ikegame, in the optical switch of Corbalis et al. because galvanometer mirror is well known in the art and the combination would have yielded predictable results to one of ordinary skill in the art at the time of the invention.

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Furthermore, One of ordinary skill in the art would have been motivated to combine the path alignment control apparatus of Corbalis et al. with the optical path switching device of Ikegame because the scheme of Corbalis et al. accurately alignment the light beam and minimizes power loss due to misalignment. Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the path alignment control of Corbalis et al. in the optical path switching device of Ikegame because the scheme of Corbalis et al. accurately alignment the light beam and minimizes power loss due to misalignment.

Response to Arguments

6. Applicant's arguments with respect to claims 1-2, 4 and 10 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

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7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shi K. Li whose telephone number is 571 272-3031. The examiner can normally be reached on Monday-Friday (7:30 a.m. - 4:30 p.m.).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Chan can be reached on 571 272-3022. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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skl

14 September 2007

Shi K. Li

Primary Patent Examiner